



NOTES:

SEE CONCRETE STANDARDS PAGE FOR ADDITIONAL REQUIREMENTS.

SET JOINTS INSIDE & OUT 1:2 MORTAR, ALTERNATE: BUTYL JOINT SEALANT ST-8, 1" WIDE, MEETING FED. SPEC. SS-5-00210 (CSA-FSS).

FORM STRAIGHT "U" CHANNEL WITH SMOOTH, VERTICAL MORTAR SIDE. 1/2 PIPE ACCEPTABLE. MAKE ANGULAR CHANGES WITH UNIFORM "U" CHANNEL, WITH SMOOTH CURVED PATH. FINISH PIPE ENDS FLUSH WITH INSIDE WALLS. MAKE CHANGES IN CHANNEL SIZE WITH A SMOOTH, TAPERING TRANSITION.

PROVIDE MANUFACTURED FLEX JOINT WITHIN 12" OF OUTSIDE WALL FOR ALL RIGID PIPES BY THE USE OF APPROPRIATE "ROMAC" COUPLINGS OR APPROVED EQUAL. CAULDER COUPLINGS NOT PERMITTED.

WHEN PVC IS USED, PROVIDE MANUFACTURED WATER STOP. FLEX JOINT NOT PERMITTED. SAND COLLARS REQUIRED WITH POURED IN PLACE MANHOLE BASE IS USED.

IF PIPE DIA. IS GREATER THAN 42", "SPECIAL MANHOLE STRUCTURE" GPSD #308 REQUIRED.

DROP MANHOLE REQUIRED WHERE SLOPE OF IN-COMING LATERAL EXCEEDS 2% GRADE. (SEE GPSD #302)

STRAIGHT FACE OF ECCENTRIC MANHOLE SECTION TO FACE DOWNSTREAM.

RING AND COVER TO PROJECT 6" ABOVE ADJACENT GROUND IN UNIMPROVED AREAS OR TO BE FLUSH WITH FINISHED PAVEMENT SURFACE.

FLAT TOP MANHOLE MAY BE INSTALLED WHEN DISTANCE FROM RIM TO FLOW LINE IS LESS THAN 4'6" AND WITH PRIOR APPROVAL OF CITY ENGINEER. (SEE GPSD #309)

SEWER SERVICE LATERALS SHALL NOT BE CONNECTED DIRECTLY TO MANHOLES.

WATER TIGHT LID REQUIRED IN FLOOD PLAIN, OTHERWISE USE "2-HOLE" LID

PIPE SIZE Ø	A:	B	C	D
24" OR LESS	48"	4"	24"	6"
27" TO 36"	60"	5"	24"	9"
39" TO 42"	72"	6"	24"	9"

NO.	DATE	INITIAL	REVISIONS
3	9/97	FMS	SLURRY UPDATE
4	12/10	GLV	STD DWG UPDATE
5	3/13	FMS	SS STDS UPDATE
DESIGN:	STAFF	DRAWN:	SLN
APPROVED:	DAP		

CITY OF GRANTS PASS
ENGINEERING DIVISION

MODIFIED DROP MANHOLE

SCALE: NONE

DWG. NO. 302